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Page 1 of 19 ATTY. DOCKET NO. APPLICATION NO. 1909.0020002/JAG/CMB 09/830,967 FORM PTO-1449 APPLICANT Carcagno et al. INFORMATION DISCLOSURE STATEMENT FILING DATE 1647 To-Be-Assigned May 3, 2001 U.S. PATENT DOCUMENTS **EXAMINER** DOCUMENT NUMBER DATE NAME **CLASS** SUB-CLASS FILING DATE INITIAL EX 05/19/1987 530 397 06/20/1985 AA1 4,667,016 Lai et al. 06/30/1987 530 397 01/11/1985 AB1 4,667,195 Hewick et al. 435 240.2 10/27/1987 Lin 11/30/1984 AC1 4,703,008 514 8 10/03/1985 02/21/1989 Kawaguchi et al. AD1 4,806,524 69.2 AE1 5,010,002 04/23/1991 Levinson et al. 435 03/22/1990 08/20/1996 514 8 06/07/1995 Lin AF1 5,547,933 5,618,698 04/08/1997 Lin 435 69.4 06/06/1995 AG1 Powell 435 240.2 10/06/1993 AH1 11/18/1997 5,688,679 Lin 435 325 06/06/1995 AI1 5,756,349 05/26/1998 5,783,559 07/21/1998 514 12 01/10/1994 AJ1 Florin-Robertsson et al. AK1 FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS TRANSLATION INITIAL DATE 二月 06/19/1986 WIPO/PCT No AL1 WO 86/03520 WO 98/00530 01/08/1998 WIPO/PCT No AM1 Yes 05/18/2000 AN1 WO 00/27419 WIPO/PCT No Yes AO1 WO 00/27869 05/18/2000 WIPO/PCT No Yes WO 00/27997 05/18/2000 WIPO/PCT No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Andersen, D.C. and Goochee, C.F., "The effect of cell-culture conditions on the oligosaccharide AR 1 structures of secreted glycoprotein," Curr. Op. Biotech. 5:546-549, Current Biology Ltd. (1994). F_{μ} Bondurant, M.C. and Koury, M.J., "Anemia Induces Accumulation of Erythropoietin mRNA in the AS 1 Kidney and Liver, Mol. Cell. Biol. 6:2731-3, American Society for Microbiology (1986). Borsook, H., et al., "Polycythemic Response in Normal Adult Rats to a Nonprotein Plasma Extract ΑT 1 from Anemic Rabbits, Blood 9:734-742, Grune and Stratton, Inc. (1954). DATE CONSIDERED **EXAMINER** 4/24/03 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AS	<u>15</u>	Hormones by	Parsons, T.F., et al., "Rapid and Easy Separation of the Subunits of Bovine and Human Glycoproteir Hormones by Use of High Performance Liquid Chromatography," Endocrinology 114: 2223-2227, J.B. Lippincott Co. (1984).						
	AT	Reisman, K.R., "Studies on the Mechanism of Erythropoietic Stimulation in Parabiotic Rats During Hypoxia," <i>Blood</i> 5:372-380, Grune and Stratton, Inc. (1950).								
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	AS		Sherwood, J.B., et al., "Erythropoietin Production by Human Renal Carcinoma Cells in Culture," Endocrinology 99:504-510, J.B. Lippincott Co. (1976).							
7	AT		Takagaki, Y., et al., "Amino Acid Sequence of the Membranous Segment of Rabbit Liver Cytochrome b_5 ," J. Biol. Chem. 255:1536-1541, American Society of Biological Chemists, Inc. (1980).							
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